EPA Region 5
Critical
Ecosystems
Team
If Everything Is Important,
What's Critical ?
Keystone

Session Questions

(1) What were the goal(s) and objective(s) of your assessment and how did you identify or determine them (i.e., what was the purpose of your assessment)?

(2) What was the scope, scale, and conceptual model for your assessment and how did you determine them?

(3) What assessment endpoints and measures did you use for your assessment and how did you select or identify them?

(4) Was there a connection between the selection of the endpoints and the assessment results? What was the connection?

(5) What were the results of your assessment?

Keystone

Goal

R5 Senior Management Mandate:

Tell us where the highest quality natural ecosystems are in Region 5

Natural bureaucratic response:

We formed a committee !

Keystone

Multimedia Committee

Charles Maurice & Mary White
Critical Ecosystems Team

Amy Mysz
Pesticides Program

Robert Beltran & John Schneider
Gt. Lakes Nat. Program Office

Mike Gentleman
Water Division

Lawrence Lehrman
Office of Information Services

Brenda Jones
Superfund Division

Dan Mazur
Waste Managementment

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Objective

Process:

100 + → → → 3

Result:

Identify areas having the highest:

1) **Potential for indigenous ecological "Diversity"**

2) **Potential for long-term self "Sustainability"**

3) Presence of Ecological "Rarity"

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Keystone

Scope & Scale Logic Train

Goal

Scope: Region-wide & Multimedia

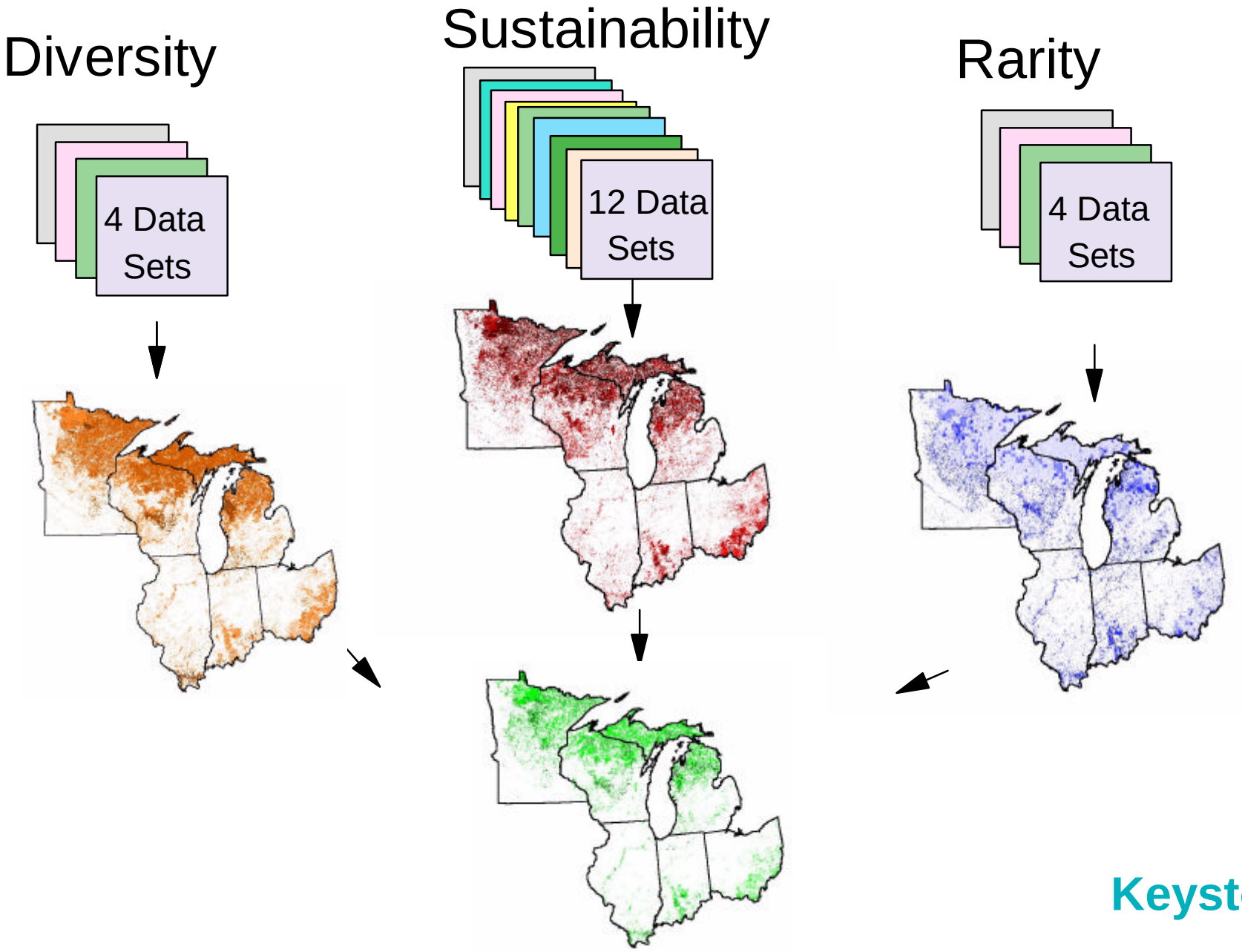
&

Scale: Landscape "Big Picture"

GIS Model

Keystone

Conceptual Model



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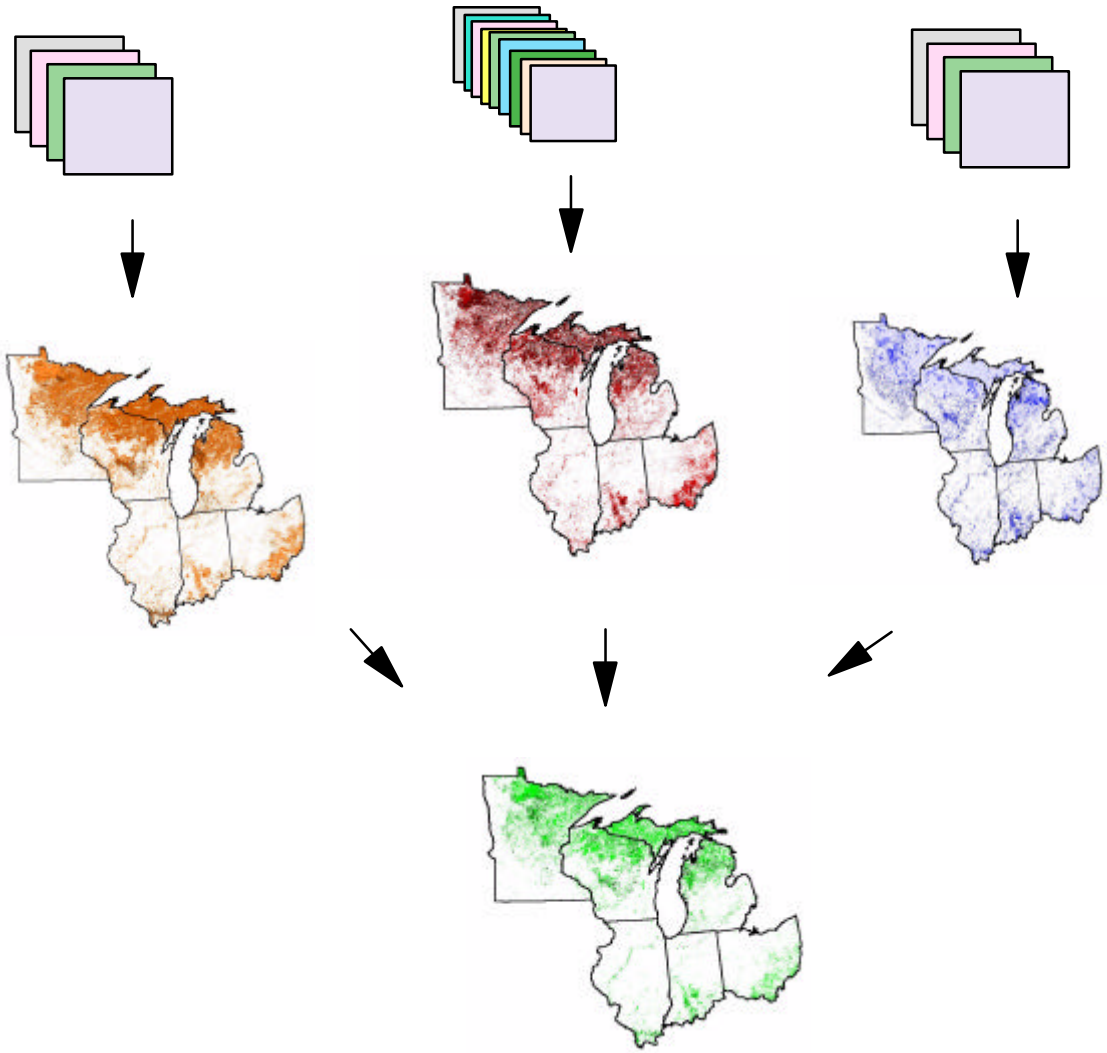
Conceptual Model



Measures of Exposure/Effect

Drives

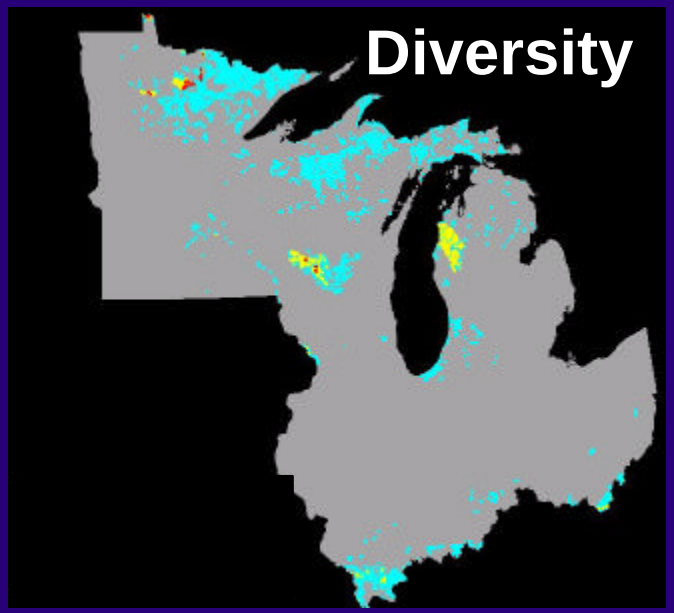
Assessment Endpoints

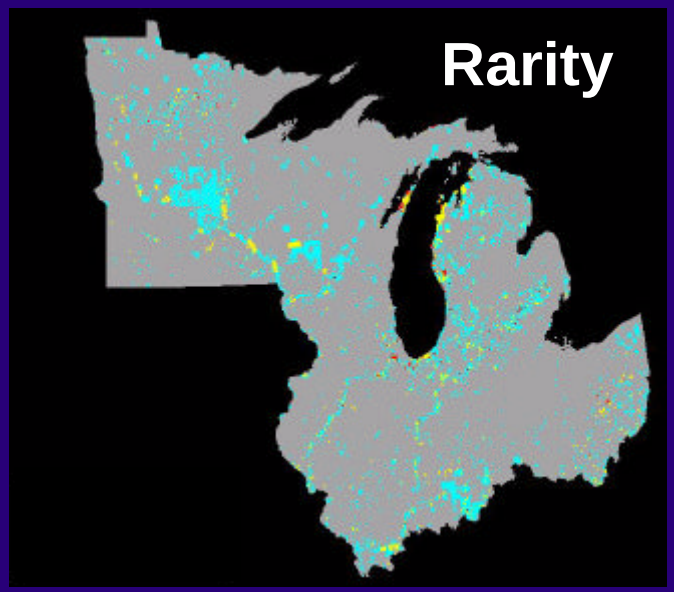
Drives

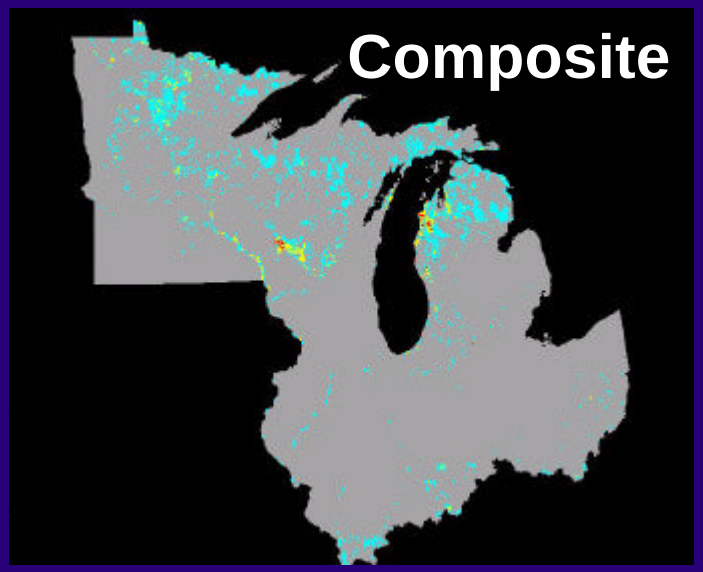
Management Goal

Keystone

Different Endpoints = Different Results







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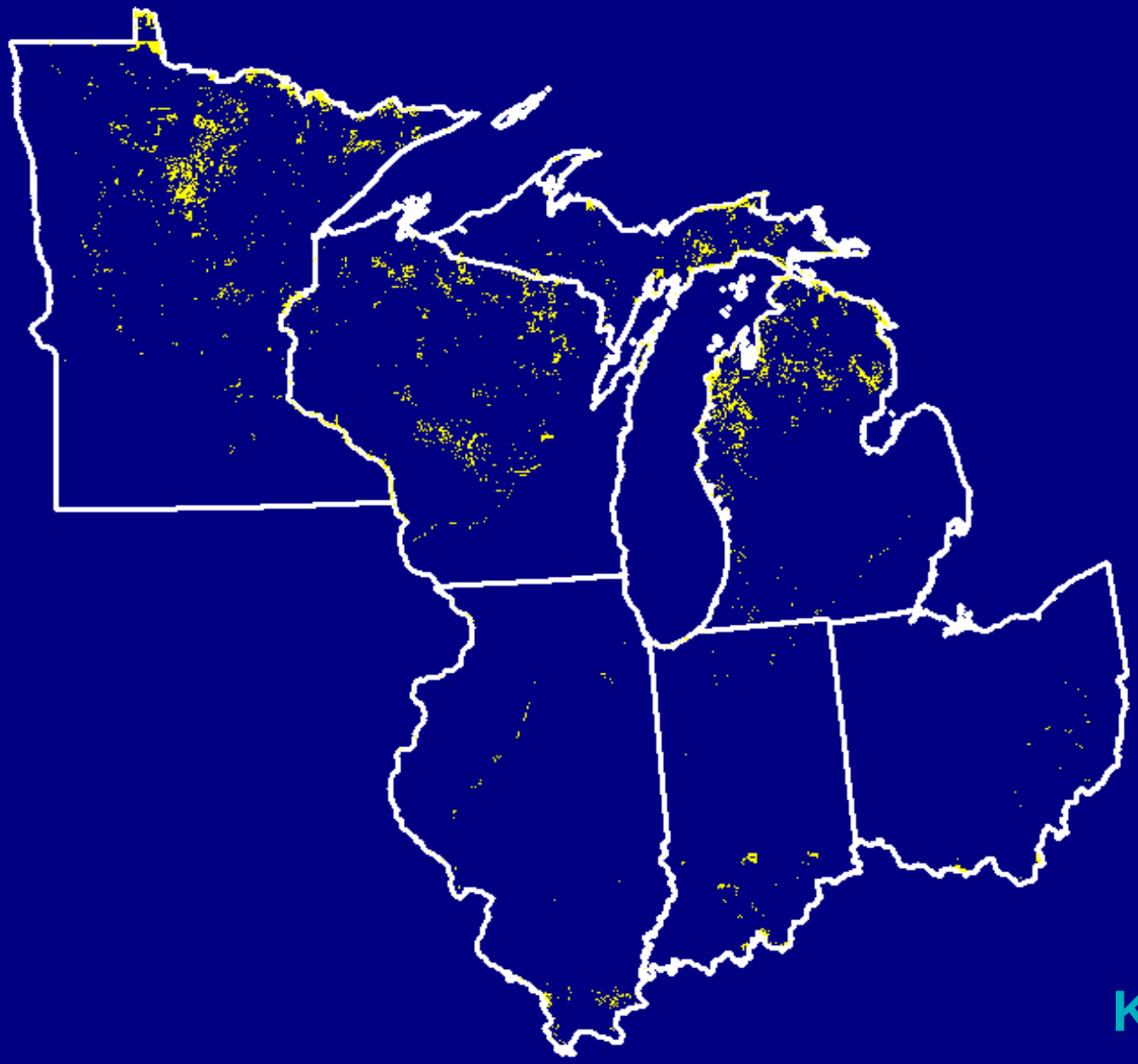
Top 10 % Scoring Places



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